

VLADYSHEVSKIY, V.L.

Pressing containers from the wood particle mass. Der.prom
10 no.6:6-7 Jo '61. (MIRA 14:7)

1. ~~Ukrainskiy~~ nauchno-issledovatel'skiy institut mekhanicheskoy obrabotki ~~drevesiny~~.
(Wood, Compressed)

~~VLADYSHEVSKIY, V.L.~~

Pressing of particle panels and frames provided with reinforced
areas. Der.prom. 9 no.11:3-6 N '60. (MIRA13:12)

1. Ukrainskiy nauchno-issledovatel'skiy institut mekhanicheskoy
obrabotki drevesiny.

(Wood, Compressed)

VLADYSHEVSKIY, V.I.

Using veneer for the manufacture of glued bent frames for chairs.
Der.prom. 9 no.4:4-6 Ap '60. (MIRA 13:9)

1. Ukrainskiy nauchno-issledovatel'skiy institut mekhanicheskoy
obrabotki drevesiny.
(Chairs)

VLADYSHEVSKIY, V.L., inzh.

Fast pressing of subassemblies from wood particles. Der.
prom. 9 no.1:5-8 Ja '60. (MIRA 13:4)

1. Ukrainskiy nauchno-issledovatel'skiy institut mekhaniche-
skoy obrabotki drevesiny.
(Wood, Compressed)

VLADYSHNEVSKIY, V.L., inzh.

Pressing closed trapezoid frames of wood waste. Der.prom. 8
no.6:9-11 Je '59. (MIRA 12:8)
(Wood, Compressed)

VLADYSHEVSKIY, V.L., inzh.

Making frame furniture of stamped parts. Der.prom. 8 no.2:4-6
F '59. (MIRA 12:2)

1. Ukrzhipromebel'.
(Furniture)

VLADYSHNEVSKIY, V.L.
VLADYSHNEVSKIY, V.L., inzh.

Standardization and reduction of cross sections of frames and legs
of bent chairs. Der. prom. 7 no.1:1-2 Ja '58. (MIRA 11:1)
(Chairs)

LARIKOV, Ye. I.; ZHIGACH, A. F.; POPOV, A. F.; KULIKOVSKAYA, T. N.;
VLADYTSKAYA, N. V.

Thermal decomposition of aluminum alkyls. Khim prom no. 3:
171-174 Mr '64. (MIRA 17:5)

ACC NR: AP6035823

(N)

SOURCE CODE: UR/0413/66/000/020/0030/0030

INVENTOR: Antipin, L. M.; Bondarevskaya, L. B.; Vladytskaya, N. V.; Danilov, S. I.; Zhigach, A. F.; Larikov, Ye. I.; Snyakin, A. P.

ORG: none

TITLE: Method of synthesizing lithium-aluminum hydride. Class 12, No. 186983

SOURCE: Izobreteniya, promyshlenyye obraztsy, tovarnyye znaki, no. 20, 1966, 30

TOPIC TAGS: lithium aluminum hydride, chemical synthesis

ABSTRACT: This Author Certificate introduces a method of synthesizing lithium-aluminum hydride by a reaction of sodium-aluminum hydride with lithium chloride in diethyl ether. To accelerate the process, it is carried out with additions of aluminum trialkyls. In a variant of the synthesizing process, aluminum-trialkyls are added in a quantity of 1-7%.

SUB CODE: 07 / SUBM DATE: 22Oct64/

Card 1/1

UDC: 661.968.546'621'34'11

ACCESSION NR: A15007118

AUTHOR: Zhigach, A. I.; Popov, A. F.; Kuznetsov, N. I.; Vadytskaya, A. I.;
Antipin, L. M.; Vashne'skiy, L. D.

TITLE: A method for producing higher aluminum organic compounds. Class 12, No.
167869 ✓

SOURCE: *Abstracts of Chemistry*, vol. 3, 1965, 25

TOPIC: *Aluminum organic compounds*

ASSOCIATION: none

SUBMITTED: 03Dec63

NO. 111

VIADZYEVSKIY
SHUVALOV, Yuliy Abraamovich, kand.tekhn.nauk, dots.; VKDENSKIY, Viktor Aleksandrovich, inzh.; NALCHAN, A.G., kand.tekhn.nauk, retsenzent; VIADZYEVSKIY, A.P., doktor tekhn.nauk, red.; MATVEYEVA, Ye.N., tekhn.red.; EL'KIND, V.D., tekhn.red.

[Metal-cutting tools; kinematics and hydraulics] Metallorezhushchie stanki; kinematicheskie i gidravlicheskie skhemy. Moskva, Gos. nauchno-tekhn.izd-vo mashino-stroit. lit-ry, 1958. 242 p.
(Metal-cutting tools) (MIRA 11:3)

VLADZILVSKIY, A. P.

Author of the chapter "Certain Problems in the Operation and Planning of Automatic Machine Production Lines" (Mashgiz, 1953)

from the publication "Avtomobilnaya i Traktornaya Promyshlennost" (Automobile and Tractor Industry) No. 1, January 1954, p. 32

VIADZIMIRAVA, M.

Woman of lofty dreams, Rab.1 sial. 33 no.10:10-11.0 '57.
(MIRA 10:10)

(Minsk--Women--Employment)

VLADZIMIRAVA, M.

Builders. Rab. 1 sial. 30 no.7:10-11 J1 '54. (MLRA 9:4)
(Zhurava, Liudmila Dzmitryeuna)

VLADZIMIRSKAYA, O.V. [Vladzimir's'ka, O.V.]; TURKEVICH, N.N. [Turkevych, M.M.]

Synthesis of thiazanedione-2,4 and its 3-derivatives. Dop.
AN URSR no.1:80-81 '62. (MIRA 15:2)

1. L'vovskiy meditsinskiy institut. Predstavleno akademikom
AN USSR A.I.Kiprianovym.
(THIAZINE)

VLADZIMIRSKAYA, E. V.

5

Synthesis of derivatives of thiazolidinone which have
biological interest. I. Compounds obtainable from rho-
lanine by replacement on the thioester group. N. M.

2

Turkevich and E. V. Vladzimirskaya. J. Gen. Chem. U.S.S.R., 24, 1975-8 (1954) (Engl. translation). See C.A. 49, 14737i.

PM

VLADZIMIRSKAYA, YE. V.

USSR

² Synthesis of derivatives of thiazolidine which have biological interest. I. Compound obtainable from thiazolidine by replacement on the thioether group. G. M. Tsvetkov and Ye. V. Vladzimirskaya. *Soviet Med. Biol.*

Levy). *Zhur. Obshch. Khim.* 24, 2610-11 (1951). 2,4-Tilazolidinedione (I) (10 g.) in 70 ml. EtOH and 70 ml. H₂O refluxed 12 hrs. with 10 g. KOAc and 7.8 g. H₂NCS-NH₂ and the solid, cooled, yielded 80% I. 2-thiosemicarbazone (II), m. 190-7° (from H₂O), by distilling on heating 2 hrs. with concd. HCl. II (3 kg.) refluxed with 2.5 g. CCl₄-CO₂H and 50 ml. AcOH 0.5 hr., diluted with 50 ml. EtOH, and

refluxed 5 hrs. gave 95% (NH₂COCH₂SC₂N₂), does not m. below 300°, which heated with HCl gave I. Similarly was prepd. 5-benzylidene-2,4-thiazolidinedione (III), 2-thiosemicarbazone, m. 180-6°. Refluxing rhodamine with H₂NCONHNH₂, HCl and KOAc in H₂O 12 hrs. gave 60% I. 2-semicarbazone, decomp. 222°. Similarly was prepd. III from rhodamine, m. 243° (from AcOH), which, refluxed with BzH in AcOH 4 hrs., gave 80% III. 2-(1-benzylidene-5-semicarbazone), does not below m. 265°, also formed from BzH and rhodamine semicarbazone. *p*-O₂NC₆H₄NHNH₂ in alc. KOAc similarly gave III. 2-p-nitrobenzylidene, m. 244° (from PhNO₂). The above derivs. have achiral properties and are sol. in alk. solns.

G. M. Kovalchuk

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001860220016-5

PLAZINIRSENA, E.V.

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001860220016-5"

Vladimirskaya E.Y.

V Synthesis of derivatives of thiazolidone having a biological interest. II. Derivatives of 2,4-thiazolidinedione 2-hydrazone preparable from p-acetamidobenzaldehyde thiosemicarbazone. E. V. Vladimirskaya and N. M. Turkevich (Med. Inst., Lvov). Zhur. 1938, 21, 2160-4 (1935); cf. C.A. 49, 14737i. — Heating 5 g. p-acetamidobenzaldehyde thiosemicarbazone with 2.35 g. $\text{ClCH}_2\text{CO}_2\text{H}$ and 20 ml. AcOH with 25-27 millimoles of an aldehyde 80 min. at reflux, followed by cooling and adding aq. NaOAc gave the 5-arylidene derivs. of 2,4-thiazolidinedione 2-(p-acetamidobenzylidene)hydrazones. Thus were prepd.: 82.4% 2,4-thiazolidinedione 2-(p-acetamidobenzylidene)hydrazone, decomp. 294°; 80% 5,5'-benzylidenebis[2-(2-(p-acetamidobenzylidene)hydrazono)-4-thiazolidinedione] (I), m. 203°; 5-anisylidene-2,4-thiazolidinedione 2-(p-acetamidobenzylidene)hydrazone, decomp. 230°; 89% 5-(p-chlorobenzylidene)analog, decomp. 230°; 85% 5-(p-cinnamylidene)analog of I, 86% decomp. 230°; 190°; the 5,5'-salicylidene analog of I, 86% decomp. 276°; 82% 5-(p-acetamidobenzylidene) analog, decomp. 276°.

(2)

G. M. K.

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001860220016-5

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001860220016-5"

VLADZIMIRSKAYA, Ye. V.

VLADZIMIRSKAYA, Ye. V. : "Investigation of the derivatives of thiazolidin." Min Health USSR. Moscow Pharmaceutical Inst. L'vov, 1956.
(Dissertations for Degree of Candidate in Pharmaceutical Sciences).

SO: Knizhnays Letopsis' No. 22, 1956

VLADZIMIRSKAYA, YE. V.

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001860220016-5

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001860220016-5"

VLADZIMIRSKAYA, Ye.V.

Synthesis of the arylidene derivatives of pseudothiohydantoin and thiazolidinedione. Zhur, ob. khim. 27 no.8:2101-2103 Ag '57.
(MLBA 10:9)

1. L'vovskiy meditsinskiy institut.
(Hydantoin) (Thiazolidinedione)

VLADZIMIRSKAYA, Ye.V.

TURKEVICH, N.M.; VLADZIMIRSKAYA, Ye.V.

Synthesis of thiazolidinone derivatives, of biological interest.
Part 5: Condensation reaction of monochloroacetic acid with
thiosemicarbazones in the presence of hydrochloric acid. Zhur. ob.
khim. 27 no.9:2566-2569 S '57. (MIRA 11:3)

L.L'vovskiy meditsenskiy institut.
(Acetic acid) (Thiosemicarbazone)
(Hydrochloric acid)

VLADZIMIRSKAYA, Ye.V.

Synthesis of thiazolidone derivatives which offer biological interest. Part 6: Condensation reaction of monochloroacetic acid with thiosemicarbazide, in presence of aldehydes. Zhur.ob.khim. 27 no.10:2898-2901 0 '57. (MIRA 11:4)

1.L'vovskiy meditsinskiy institut.
(Acetic acid) (Semicarbazide) (Condensation (Chemistry))

AUTHORS: Turkevich, N. M., Vladimirovskaya, Ye. V. 79-28-5-15/69

TITLE: Synthesis of Thiazolidone Derivatives Which are of Biological Interest (Sintez proizvodnykh thiazolidona, predstavlyayushchikh biologicheskii interes) VIII. Displacement of Radicals of Oxonium Compounds by Others in the Molecules of the Derivatives of the Thiazolidinedione-2,4-Hydrazone-2 (VIII. Vytresneniye odnikh ostatkov oksosoyedineniy drugimi v molekulakh proizvodnykh tiazoledindion-2,4-gidrazona-2)

PERIODICAL: Zhurnal Obshchey Khimii, 1958, Vol. 28, Nr 5, pp. 1205 - 1208 (USSR)

ABSTRACT: In earlier papers (References 1-3) the authors described for the first time the synthesis of 5-arylidene-mono derivatives and 5-arylidene-bis derivatives of thiazolidinedione-2,4-arylidenehydrazone-2. In this paper they tried to synthesize analogous derivatives of the thiazolidinedione-2,4-alkylidenehydrazone-2 which lead to the formation of some new rules in the synthesis of thiazolidine. It turned out that on heating the thiosemicarbazones of oxonium compounds of the aliphatic and hydroaromatic series with monochloroacetic acid in the presence

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79-28-5-15/69

Synthesis of Thiazolidone Derivatives Which are of Biological Interest. VIII.
Displacement of Radicals of Oxonium Compounds by Others in the Molecules of
the Derivatives of the Thiazolidinedione-2,4-Hydrazone-2

of aromatic aldehydes, the expected 5-arylidene derivatives do not form, but that a displacement of the mentioned oxocompounds by arylidene radicals takes place (see mentioned scheme). Various 2"-arylidene derivatives of thiazolidinedione-2,4-hydrazone-2 (formula I) were obtained as result, which are mentioned in table I. As regards the thiosemicarbazones of oxocompounds of the aromatic series the displacement of the arylidene radicals by others took place only in the case of a heating of the mixture of the thiosemicarbazone of p-isopropylbenzoaldehyde and p-isopropylbenzoaldehyde with monochloroacetic acid, in which case the thiazolidinedione-2,4-p-nitrobenzylidenehydrazone-2 (table 1) resulted. Thus 2"-monoaryldes- or 2",5-diarylidene derivatives of thiazolidinedione-2,4-hydrazone-2 form in the condensation reaction of the thiosemicarbazones of the aliphatic and hydroaromatic series with monochloroacetic acid in the presence of aromatic aldehydes. The final results

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79-28-5-15/69

Synthesis of Thiazolidone Derivatives Which are of Biological Interest. VIII.
Displacement of Radicals of Oxonium Compounds by Others in the Molecules of
the Derivatives of the Thiazolidinedione-2,4-Hydrazone-2

are mentioned in table 2. There are 2 tables and 5 references,
3 of which are Soviet.

ASSOCIATION: L'vovskiy meditsinskiy institut (L'vov Medical Institute)

SUBMITTED: May 14, 1957

Card 3/3

AUTHOR :

Vladimirovskaya, Ye. V.

SOV/10-1-14/10

TITLE:

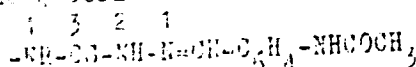
Synthesis of Thiazolidon Derivatives Which Are of Biological Interest (Sintez proizvodnykh tiazolidona, predstavivshiesya biologicheskimi interesami) IX. The Synthesis of the 3-Hydrazono Derivatives of Thiazolidindione-2,4 (IX. Sintez 3-proizvodnykh gidrazona tiazolidindiona-2,4)

PERIODICAL:

Zhurnal obshchey khimii, 1958, Vol. 34, No. 6, p. 1745-1746 (USSR)

ABSTRACT :

Earlier (Ref 1) the author described the synthesis of the p-acetoamino benzylidene-hydrazones of thiazolidinell-2,1 and of its 5-derivatives. The aim of this paper was the synthesis of the 3-derivatives for which the author had to commence from the 4-derivatives of R-tibon



and from heteroiminoacetic acid. The 4-tison derivatives and their condensation products with this acid have hitherto not been described. Besides the introduction of aryl- and alkyl-derivatives often causes a physiologic activity. The 4-methyl-

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SOV79-28-6-14/63

Synthesis of Thiazolidon Derivatives Which Are of Biologic Interest.

IX. The Synthesis of the 3,4-Hydrazono Derivatives of Thiazolidinedion-2,4

thiosemicarbazide, 2-phenylthiosemicarbazide and 4-phenylthiosemicarbazide synthesized by the author according to the known method were condensed with p-acetaminobenzaldehyde and the corresponding thion derivatives were obtained (formula I, $\text{Ar}=\text{CH}_3, \text{CONHC}_6\text{H}_5$). These compounds react easily with monochloroacetic acid under the formation of thiazolidinedion-2,4-hydrazono-3-derivatives (II) (see scheme). The obtained 3-derivatives of thiazolidinedion-2,4-benzylidenehydrazono-3 are neutral products which are very difficult to solve in alkali liquors. In order to investigate the properties of the preparations at the transition from the thiazolidon ring to the thiazolinone ring the author synthesized according to Pellizzari (Pellitstori) (Ref 4) the 2-phenylthiosemicarbazone of benzaldehyde (III) and had it act on monochloroacetic acid (see scheme). For reasons of comparison the author synthesized and investigated the thiosemicarbazone of benzaldehyde, 4-phenylthiosemicarbazone of benzaldehyde, thiazolidinedion-2,4-benzylidenehydrazono-3, as well as 3-phenylthiazolidinedion-2,4-benzylidenehydrazono-3 (II, $\text{R}=\text{Ar}=\text{C}_6\text{H}_5$). The latter compound has

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Synthesis of Thiazolidon Derivatives Which Are of Biologic Interest. SOV/79-28-6-14/65
IX. The Synthesis of the 3-Hydrazone Derivatives of Thiazolidinedion-2,4

not been described hitherto. The ultraviolet absorption spectra of the 4-tibon derivatives differ little from the corresponding spectra of tibon. The formation of the thiazolidone- or of the thiazolinone ring does not exert any considerable influence on the ultraviolet absorption spectra so that the structure of the given cycles can probably be determined only by chemical and physico-chemical methods. There are 3 figures, 2 tables, and 6 references, 2 of which are Soviet.

ASSOCIATION: L'vovskiy meditsinskiy institut (L'vov Medical Institute)

SUBMITTED: May 14, 1957

1. Hydrazones--Synthesis

Card 3/3

VLADZIMIRSKAYA, Ye.V.

Derivatives of thiazolidone. Part 22: 7,7-dipyridylthiourea in the
preparation of pseudothiohydantoins. Zhur. ob. khim. 34 no.9:2987-
2989 S '64. (MIRA 17.11)

1. L'vovskiy meditsinskiy institut.

5(3), 5(5)

SOV/79-29-8-78/81

AUTHOR: Vladzimirskaya, Ye. V.

TITLE: Synthesis of Thiazolidone Derivatives Which Are of Biological Interest. XIII. Transformation of Rhodanines Into the Thiazolidinediones-2,4

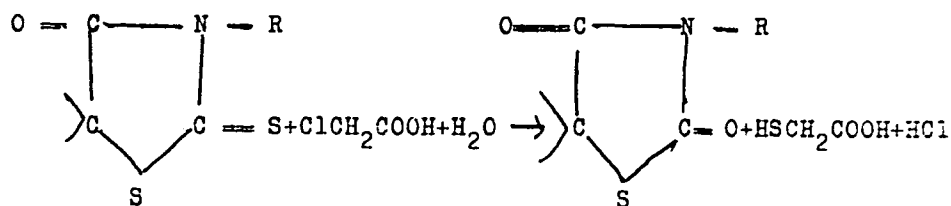
PERIODICAL: Zhurnal obshchey khimii, 1959, Vol 29, Nr 8, pp 2795 - 2798 (USSR)

ABSTRACT: As it may be seen from references 1-6, including the papers by N. M. Turkevich and co-workers (Refs 4-6), the transformation of rhodanines into thiazolidinediones-2,4 encounters several difficulties. Among the different methods, which are all not quite satisfactory, there is a method (Ref 7) which consists in transformation of 2-thiohydantoins into hydantoins (Ref 7) and which is based on prolonged boiling of the preparations with monochloroacetic acid. W. I. Croxall and his co-workers used this method (Ref 8) in the transformation of rhodanine and its 5-isopropylidene-, 5-sec.-butylidene-, 5-cyclohexylidene derivatives into the corresponding thiazolidinediones-2,4, with yields ranging from 38 to 77%. The experi-

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Synthesis of Thiazolidone Derivatives Which Are of SOV/79-29-8-75/81
Biological Interest. XIII. Transformation of Rhodanines Into the Thiazolidinediones-2,4

ments carried out by the authors showed that this method can be used for rhodanines only which are more or less soluble in water (as, e.g. the non-substituted rhodanine, 3-phenylrhodanine). The reaction of monochloroacetic acid with the rhodanines follows scheme 1, which follows:



Much better results were achieved when the rhodanine derivatives were heated with dimethylsulphate without solvents, according to the method developed by Z. P. Sytnik and his collaborators (Ref 9) (Scheme 2). The authors showed that the transformation of the rhodanines into thiazolidinediones with

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Synthesis of Thiazolidone Derivatives Which Are of SOV/79-29-8-78/81
Biological Interest. XIII. Transformation of Rhodanines Into the Thiazoli-
dinediones-2,4

dimethylsulphate is of a general character and can therefore be used for rhodanines substituted in the positions 3 or 5. If rhodanines are used which are not substituted in position 3, a simultaneous methylation takes place at this position. Some of the thiazolinediones-2,4, i.e. the 3-ethoxyphenyl derivatives, exhibit a marked tuberculostatic activity. There are 11 references, 4 of which are Soviet.

ASSOCIATION: L'vovskiy meditsinskiy institut (L'vov Medical Institute)

SUBMITTED: July 1, 1958

Card 3/3

VLADZIMERSKAYA, Ye.V.

Synthesis of thiazolidone derivatives of biological interest;
Part 19: Condensation of phenylthiourethan with monochloroacetic
acid and aldehydes. Zhur.ob.khim. 32 no.5:1608-1610 My '62.
(MIRA 15:5)

1. L'vovskiy meditsinskiy institut. (Aldehydes)
(Urethans) (Acetic acid)

VLADZIMIRSKAYA, Ye.V. [Vladzimir's'ka, O.V.]

Synthesis of arylpseudothiohydantoic acids and 2'-arylpseudothiohydantoins. Farmatsev. zhur. 18 no.2:7-10 '63. (MIRA 17:10)

1. Kafedra farmatsevticheskoy khimii L'vovskogo meditsinskogo instituta (zaveduyushchiy kafedroy - prof. M.M. Turkevich [Turkevych, M.M.]).

VLADZIMIRSKAYA, Ye.V. [Vladzimir's'ka, O.V.]; DATSKO, N.N. [Datsko, N.M.]

Arylides of carbamylthioglycolic acid as reagents for chemical
analysis. Farmatsev. zhur. 19 no.4:38-42 '64. (MIRA 17:11)

1. Kafedra farmatsevticheskoy khimii L'vovskogo meditsinskogo in-
stituta (zaveduyushchiy kafedroy prof. M.M. Turkevich).

VLADZIMIRSKAYA, Ye.V.

Ultraviolet absorption spectra of 1,3-thiazane-2,4-dione
and its derivatives. Ukr. khim. zhur. 30 no.9:941-944 '64.
(MIRA 17:10)

L. L'vovskiy gosudarstvennyy meditsinskiy institut.

VLADZIMIRSKAYA, Ye.V.

So called phenylthiohydantoic acid as an analytical reagent.
Zhur. anal. khim. 19 no.8:1029-1031 '64.

(MIRA 17:11)

1. L'vovskiy gosudarstvennyy meditsinskiy institut.

VLADZIMIRSKAYA, Ye.V.

Synthesis of biologically valuable thiazolidone derivatives.
Part 21: Pseudothiohydantoins with pyridine residues. Zhur.
ob. khim. 34 no.8:2774-2776 Ag '64. (MIRA 17:9)

1. L'vovskiy meditsinskiy institut.

VLADZIMIRSKAYA, Ye.V.; PASHKEVICH, Yu.M.

Synthesis of thiazolidinone derivatives of biological interest.
Part 15: Acidic properties of derivatives of 4-thiazolidinone
and 4-thiazanone. Zhur.ob.khim. 33 no.10:3149-3153 0 '63.
(MIRA 16:11)

VLADZIMIRSKAYA, Ye.V.

Substitution in the azolidine ring. Part 17: Absorption
spectra of aryl pseudothiohydantoins and aryl pseudothio-
hydantoic acids. Ukr. khim. zhur. 29 no.10:1066-1069 '63.
(MIRA 17:1)

1. L'vovskiy meditsinskiy institut.

VLADZIMIRSKAYA, Ye.V.; TURKEVICH, N.M.

Substitution in the azolidine ring. Part 14: Absorption spectra
of derivatives of 2,4-thiazolidinedione. Ukr.khim.zhur. 28 no.7:
855-857 '62. (MIRA 15:12)

1. L'vovskiy meditsiniskiy institut.
(Thiazolidinedione—Spectra)

VLADZIMIRSKAYA, Ye.V.

Synthesis of thiazolidinone derivatives of biological interest. Part
20: 3-Allyl-2,4-thiazolidinedione and its 5-arylidene derivatives.
Zhur.ob.khim. 32 no.6:2019-2022 Je '62. (MIRA 15:6)

1. L'vovskiy meditsinskiy institut.
(Thiazolidinone)

VLADZIMIRSKAYA, Ye.V.

Synthesis of thiazane and thiadiazane derivatives of
biological interest. Part 2: 3-Alkyl derivatives of
1,3-thiazane-2,4-dione. Zhur.ob.khim. 32 no.2:539-541
F '62. (MIRA 15:2)

1. L'vovskiy meditsinskiy institut.
(Thiazane)

VLADZIMIRSKAYA, Ye.V.

Synthesis of thiazane and thiadiazane derivatives of biological interest. Part 1: 3-Aryl derivatives of 1, 3-thiazane-2, 4-dione. (MIRA 14:6)
Zhur.ob.khim. 31 no.6:1921-1924 Je '61.

1. L'vovskiy meditsinskiy institut.
(Thiazolidinedione)

VLADZIMIRSKAYA, Ye.V.; TURKEVICH, N.M.

Substitution in the azolidine ring. Part 18: Ultraviolet absorption spectra of pseudothiohydantoins with pyridine substituents. Ukr. khim. zhur. 30 no.10:1079-1082 '64.

(NIRA 17:11)

1. L'vovskiy meditsinskiy institut.

ORLOV, Nikolay Dmitriyevich; VLADZIYEVSKIY, A.P., prof., doktor tekhn.
nauk, red.

[Foundry practice] Liteinoe proizvodstvo; uchebnoe posobie po
razdelu "Liteinoe proizvodstvo" kursa "Tekhnologiya metallov."
Moskva, Mosk. inzhenerno-ekon. in-t im. S.Ordzhonikidze, 1962.
103 p. (MIRA 16:2)

(Founding)

VLADZIVYEVSKIY, A. P.

"Reconditioning of Defective Refractory
Crucibles for Lead and Salt Tanks by Welding",
Stenki I Instrument, 14, No. 1-2, 1943.

BR-52019019.

VLADZYEVSKIY, A. P. Docent

Candidate in Technical Sciences

"The Technical Operation, Maintenance and Repair of
Metal-Cutting Machine Tools," Stanki I Instrument, 16,
No. 6, 1945

ER-52059019

VIADZIEVSKI, A. P. and M. O. IAKOBSON.

Stanki dlia obrabotki zub'ev tsilindricheskikh koles. . Moskva, Mashgiz,
1948. 183 p. diagrs.
Bibliography: p. (182).

Machine tools for cutting spur gear teeth.

DIC: TJ187.V6

CtY MH

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of
Congress, 1953.

VLADZIYEVSKIY, A. P.

PA 37/49T69

USSR/Engineering
Tools, Machine
Machinery - Reclamation

Sep 48

"The Technology of Repair Work," M. O. Yakobson,
Cand Tech Sci, A. P. Vladziyevskiy, Cand Tech
Sci, $\frac{1}{2}$ p

"Vest Mashinostroy" Vol XXVIII, No 9

Summarizes various articles on the repair of machine
tools.

37/49T69

VLADZHEVSKIY, A. P. and M. O. IAKOBSON

Spravochnik mekhanika. Moskva, Mashgiz, 1950, 495 p.

Mechanic's handbook

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

VLADZIYEVSKIY, A. P.

Machinery- Automatic

Estimating adjustment work on automatic production lines., Stan. i Instr., No. 12, 1951.

9. Monthly List of Russian Accessions, Library of Congress, _____ 1953. Unclassified.

Vladziyevskiy, A.

Machinery in Industry

Machinery of the efficient worker Tekh. molod. no. 3, 1952.

Monthly List of Russian Accessions, Library of Congress, August, 1952.
Unclassified.

VLADZIMEVSKIY, A. P.

Efficiency, Industrial

Evaluation of labor consumption in the set-up of automatic machine lines, Stan. i instr.
23 No. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, _____ 1953. Unclassified.

VLADZIYEVSKIY, A.P., dotsent, laureat Stalinskoy premii, kandidat tekhnicheskikh nauk; SOKOLOVSKIY, A.P., professor, doktor tekhnicheskikh nauk, retsenzent; BOGUSLAVSKIY, B.L., professor, doktor tekhnicheskikh nauk, redaktor; DLUGOKANSKAYA, Ye.A., tekhnicheskiiy redaktor

[Problems in the operation and planning of automatic lines of machines] Nekotorye voprosy ekspluatatsii i proektirovaniia avtomaticheskikh stanochnykh lini. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1953. 162 p. (MLRA 9:12)

(Automatic control) (Machine tools)

VLADIMIR VSKLY A.P. (Moskva)

Determining the coefficient of superimposition of losses among sections
of automatic lines. Avtom. 1 telem. 14 no.4:478-483 J1-Ag '53.
(Automatic control) (MLRA 10:3)

VLADZHEYVSKIY A P

...of continuous production
...of the length of the setting time, 2
...average supply of parts between two stations of the line ex-
...posed in the present formula can be deduced based on all con-
...ceivable levels of supply, taking into account all subsequent
...replenishments and diminutions of it. The formula presents a
...chain problem in the theory of probabilities and can be solved by
...the methods forming the subject of the A. A. Markov theory of
...probabilities. The present paper gives mathematical derivation
...of the value of δ by the Markov method. The results obtained
...are identical with the formula given above.

J. D. Gat, USA

VLADZIIYEVSKIY, A. P.

USSR/Engineering - Literature

Card 1/1

Authors : Morozov, V. A.

Title : Criticism and Bibliography. "Certain problems in the operation and planning of automatic machine production lines", by A. P. Vladzievskiy (Mashgiz 1953)

Periodical : Avt. Trakt. Prom. Ed. 1, 32-33, January 1954

Abstract : A review of A. P. Vladzievskiy's book concerning problems encountered in the operation and planning of automatic machine production lines. In spite of its shortcomings, the critic feels that the book can be used as a guide by technical personnel, and by students specializing in the automatization of industrial equipment and machine construction processes.

Institution :

Submitted :

VLADZIEVSKIY, A. P.

USSR/Engineering - Machine-tool repair

Card 1/1 Pub. 103 - 1/29

Authors : Vladzievskiy, A. P., and Yakobson, M. O.

Title : Improving the repair of metal-cutting lathes

Periodical : Stan. 1 instr. 10, 1-5, Oct 1954

Abstract : Problems undertaken by the Experimental Scientific Research Institute for Metal-Cutting Lathes, to standardize and improve the repair and overhauling of production equipment in the machine construction plants are discussed. Tables; graphs. (The article to be continued)

Institution : ...

Submitted : ...

VLADZIEVSKIY, A. P.

USSR/Miscellaneous - Industrial machine repair

Card 1/1 Pub. 103 - 2/24

Authors : Vladzievskiy, A. P., and Yakobson, M. O.

Title : Improvements in the repair of metal cutting machines

Periodical : Stan. i instr. 11, 3-b, Nov 1954

Abstract : Charts are presented showing the cycle (time) when certain types of metal cutting machines (lathes, milling machines, etc.) should be thoroughly inspected and repaired. Seven basic points for further improvement of machine repair are presented. Seven USSR references (1947-1954). Tables; graphs.

Institution : ...

Submitted : ...

VLADZIEVSKIY, A. P.

USSR/ Miscellaneous - Equipment maintenance standards

Card 1/1 Pub. 128 - 24/34

Authors : Vladzievskiy, A. P., and Yakobson, M. O.

Title : Concerning a unified system in planned preventive-maintenance of industrial equipment in the machine construction plants

Periodical : Vest. mash. 12, 77-87, Dec 1954

Abstract : The Experimental Scientific Research Institute for Metal-Cutting Lathes, in cooperation with the Stalin Automobile Factory in Moscow, have come forth with standardized methods for maintaining and repairing industrial production equipment in the machine construction plants. Examples of some standardized maintenance procedures are given. Tables.

Institution :

Submitted :

BRUTSVICH, N.G., akademik, redaktor; VLADZIMIRSKIY, A.P., kandidat tekhnicheskikh nauk, redaktor; GORODETSKIY, I.Ye., professor, doktor tekhnicheskikh nauk; TENNIS, I.G., redaktor; KIZILEV, tekhnicheskiiy redaktor.

[Precision in manufacturing ball and roller bearing by means of automatic lines] Technest' izgotovleniia sharikovykh i rolikebykh podshipnikov na avtomaticheskikh liniyakh. Moskva, 1955.247 p.
(MLRA 9:4)

1.Akademiya nauk SSSR. Institut mashinovedeniya.
(Bearings (Machinery))

VLADZIVYEVSKIY, A.P., kandidat tekhnicheskikh nauk; D'YACHKOV, A.K., doktor tekhnicheskikh nauk, professor; ZAYCHENKO, I.Z., kandidat tekhnicheskikh nauk; KAMINER, N.M., inzhener; MAZYRIN, I.V., inzhener; NIBERG, N.Ya.; kandidat tekhnicheskikh nauk; OSHER, R.N., inzhener; DIKUSHIN, V.I., akademik, redaktor; GLINER, B.M., redaktor, inzhener; MODEL', B.I., tekhnicheskiiy redaktor; SOKOLOVA, T.F., tekhnicheskiiy redaktor.

[Lubrication of metal cutting machines; reference manual] Smaska metalloreshushchikh stankov; spravochnoe posobie. Moskva, Gos. nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1956. 210 p. (MIRA 9:5)

(Lubrication and lubricants) (Machine tools)

SOV/112-57-5-10862

Translation from: Referativnyy zhurnal, Elektrotehnika, 1957, Nr 5, p 183 (USSR)

AUTHOR: Vladzhiyevskiy, A. P.

TITLE: Equipment for Automating Technological Processes in Machine-
Construction Industry and Prospects for Standardizing Automatic Equipment
(Oborudovaniye dlya avtomatizatsii tekhnologicheskikh protsessov v
mashinostroyenii i perspektivy unifikatsii avtomaticheskogo oborudovaniya)

PERIODICAL: V sb.: Avtomatizatsiya tekhnol. protsessov v mashinostr. Obrabotka
metallov rezaniyem i olishchiye vopr. avtomatizatsii. M., 1956, pp 78-109

ABSTRACT: General layout and the transportation serving automatic lines are
considered, as well as problems of designing and standardizing tool setups,
equipment for chip removal, and clearing emulsion of chips and mud. The
following automatic-line interlocks are described: part- or accessory-position
interlock, tool break, normal lubricating-system operation, load on the cutting
tools. Requirements for the standard machines intended for insertion into an

Card 1/2

SOV/112-57-5-10862

Equipment for Automating Technological Processes in Machine-Construction

automatic line are cited. ENIMS projects of standardized assemblies and machine sets for automatic lines are listed. Recommendations for selection of control schemes are given.

G.I.F.

Card 2/2

VLADZIYEVSKIY, A.P.

Automatic machine tools. Nauka i zhizn' 23 no.7:13-16 J1 '56.
(MIRA 9:9)

1.Direktor Vsesoyuznogo eksperimental'nogo nauchno-issledovatel'-
skogo instituta metallorezhushchikh stankov.
(Machine tools)

Name: VLADZIYEVSKIY, Aleksandr Pavlovich

Dissertation: Problems of the theory of automatic lines

Degree: Doc Tech Sci

Affiliation: Experimental Sci Res Inst of Metal-Cutting Machine Tools

Defense Date, Place: 14 Mar 56, Council of Inst of Science of Machines, Acad Sci USSR

Certification Date: 5 Oct 57

Source: BMVO 23/57

VLADZIMYEVSKIY A. P. (Cand. Tech. Sci.)

New automatic lines of the machine-tool and instrument industry.

paper read at the Session of the Acad. Sci. USSR, on Scientific Problems of
Automatic Production, 15-20 October 1956
Avtomatika i telemekhanika, No. 2 p. 182-192, 1957

9015229

VLADZIIYEVSKIY, Aleksandr Pavlovich, doktor tekhn.nauk; PANKINA, Ye.A.,
red.; SUKHAREVA, R.A., tekhn.red.

[Automatic control of technological processes in machinery
manufacture] Avtomatizatsiya tekhnologicheskikh protsessov
v mashinostroenii. Moskva, Moskovskii Dom nauchno-tekhn.
propagandy im. F.E.Dzerzhinskogo, 1958. 21 p. (Peredovoi
opyt proizvodstva. Ser. "Kompleksnaia avtomatizatsiia i
mekhanizatsiia protsessov proizvodstva v mashinostroenii," no.2)

(Automatic control)

(Machinery industry)

(MIRA 12:5)

VLADZIYEVSKIY, A.P.

BUROV, Petr Ivanovich; KAPUSTIN, Ivan Il'ich; VLADZIYEVSKIY, A.P., doktor
tekhn.nauk, retsenzent; LEVIN, A.A., inzh., retsenznet; RESHETHNIKOV,
I.I., inzh., red.; TIKHANOV, A.Ya., tekhn.red.

[Calculating productive capacity of machine tools] Raschet proizvodi-
tel'nosti rabochikh mashin. Moskva, Gos.nauchno-tekhn.izd-vo mashino-
stroit. lit-ry, 1958. 213 p. (MIRA 11:7)
(Machine tools)

28(1)

PHASE I BOOK EXPLOITATION

SOV/1448

Vladziyevskiy, Aleksandr Pavlovich, Professor, Doctor of Technical Sciences

Avtomaticheskiye linii v mashinostroyeni, kn. 2 (Automatic Lines in Machine Building, Vol 2) Moscow, Mashgiz, 1958. 339 p. 12,000 copies printed.

Reviewer: Boguslavskiy, B.L., Professor; Ed.: Dymshits, Ye.S., Engineer; Ed. of Publishing House: Rzhavinskiy, V.V., Engineer; Tech. Ed.: El'king, V.D.; Managing Ed. for Literature on Metal Working and Tool Making: Beyzel'man, R.D., Engineer.

PURPOSE: This book is intended for machine-tool designers, technicians, and scientific workers in machine building.

COVERAGE: This book is the third part of the author's general work "Automatic Lines in Machine Building." It describes standard automatic lines which are being exploited in the machine-building industry. The book is profusely illustrated with many figures. The practices of typical Soviet plants are frequently cited. There are 73 references, of which 71 are Soviet (including translations) and 2 English.

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SOV/1448

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AVAILABLE: Library of Congress

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5-7-59

Card 6/6

VLADZIYEVSKIY, A.P., doktor tekhn.nauk, retsenzent; GAVRILOV, A.N., doktor tekhn.nauk, prof., red.; KOCHETOVA, G.F., inzh., red.izd-va; MODEL', B.I., tekhn. red.

[Automatization and mechanization of the manufacturing processes in the instrument industry] Avtomatizatsiya i mekhanizatsiya protsessov proizvodstva v priborostroenii. Pod red. A.N.Gavrilova. Moskva, Gos. nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1958. 591 p. (MIRA 11:7)

1. Nauchno-tekhnicheskoye obshchestvo priborostroitel'noy promyshlennosti.

(Instrument industry)

(Automatic control)

BARSUKOV, A.A., inzh., laureat Leninskoy premii; BORISOV, Yu.S., inzh.;
 VAKS, D.I., inzh.; VLADZHEYEVSKIY, A.P., doktor tekhn. nauk; prof.,
 laureat Stalinskoy premii; GINZBURG, Z.M., inzh.; GLEYZER, Y.Ye.,
 inzh.; ZOBIN, V.S., inzh.; KAZAK, M.I., dots.; KAMINSKAYA, V.V.,
 kand. tekhn. nauk; KEDRINSKIY, V.N., inzh., laureat Leninskoy
 premii; KUCHER, A.M., kand. tekhn. nauk; KUCHER, I.M., kand. tekhn.
 nauk; LEVINA, Z.M., inzh.; LUK'YANOV, T.P., inzh.; MOROZOVA, Ye.M.,
 inzh.; NOSKIN, P.A., kand. tekhn. nauk, dots.; NIBERG, N.Ya.,
 kand. tekhn. nauk; OSTROUMOV, G.A., inzh.; PLOTKIN, I.B., inzh.;
 SPIVAK, E.D., kand. tekhn. nauk; SUM-SHIK, M.R., inzh.; SHASHKIN,
 P.I., inzh.; SHIFRIN, S.M., inzh.; YAKOBSON, M.O., doktor tekhn.
 nauk, prof.; GLINER, B.M., inzh., red.; SOKOLOVA, T.F., tekhn.
 red.

[Handbook for mechanics of machinery plants in tow volumes]
 Spravochnik mekhanika mashinostroitel'nogo zavoda v dvukh tomakh.
 Vol.1. [Organization and design preparation for repair work]
 Organizatsiya i konstruktorskaya podgotovka remontnykh rabot.
 Otv. red. toma R.A. Noskin. 1958. 767 p. Moskva, Gos. nauchno-
 tekhn. izd-vo mashinostroit. lit-ry. (MIRA 11:8)
 (Machinery—Maintenance and repair)

Vladizyevskiy A.P.

AUTHOR: Kobrinskiy, A. Ye., Doctor of Technical Sciences 30-2-44/49

. TITLE: **Programmed Control of Metal Cutting Machines** (Programmnoye upravleniye metallorazhishchimi stankami),
All-Union Conference (Vsesoyuznoye soveshchaniye)

PERIODICAL: Vestnik Akademii Nauk SSSR, 1958, Nr 2, pp 113-115 (USSR)

ABSTRACT: This conference took place in Moscow from November 13-16, 1957. It was called by the Institute for Engineering of the AN USSR, the Experimental Scientific Research Institute for Metal Processing Machines, as well as by the Institute for Machines and Tools in Moscow. The conference aimed at the following exchange of experience and decision as to the most important work to be carried out in this field in future. The conference was attended by representatives of the Councils of Political Economy, of industry, engineering departments, scientific research institutes as well as of universities. A. A. Blagonravov, director of the Institute for Engineering opened the conference. The following reports were given:

1) V.I. Dikushin reported on the present stage of the system of preset course in the USSR and its development.

2) A. P. Vladizyevskiy reported on the tasks in the field of

Card 1/3

Programmed Control of Metal Cutting Machines
All-Union Conference

50-2-44/49

machine building in connection with preset course.

3) V. A. Trapeznikov reported on current work carried out by the Institute for Automation and Remote Control of the AN USSR.

4) M. G. Breydo and A. Ye. Kobrinskiy (Institute for Machinery) reported on work carried out with a modernized model of a milling machine. They also mentioned that M. L. Bykhovskiy and A. Ye. Kobrinskiy had put equations describing the step by step principle of preset course.

5) V. G. Zusman reported on the work carried out by the Institute for Metal Processing Machines.

6) A. M. Lebedev reported on semiconductor switches.

7) G. I. Kamenetskiy described hydraulic amplifiers and drives.

8) D. R. Kritskiy spoke on peculiarities of constructions.

9) A. V. Zinchenko reported on experimental results with a model of a milling machine.

10) I. P. Konstantinov spoke on the work of the Factory for Milling Machines, Dmitrovsk.

11) L. A. Gleyser reported on the control of a turning lathe by means of a perforated paper band.

12) L. M. Kaufman reported on turning lathes controlled by counters.

Card 2/3

Programmed Control of Metal Cutting Machines
All Union Conference

30-2-44/49

- 13) A. M. Razygrayev reported on the work of the Machine Factory imeni Ya. M. Sverdlov in Leningrad
 - 14) I. I. Knyazhitskiy reported on the work in the Machine Factory imeni S. M. Kirov in Odessa
 - 15) A. I. Levin reported on the work in the Tool Factory in Moscow
 - 16) G. A. Spynu reported on the use of tape recording.
 - 17) I. M. Eterman reported on a calculation method of the program of a milling machine.
 - 18) M. P. Rashkovich reported on the application of control of drills
 - 19) Ya. M. Khaymovich reported on electro-hydraulic machine drives.
 - 20) V. S. Vikhman reported on an automatic compensation of the wear of cutting tool
 - 21) B. V. Anisimov reported on the work carried out by the Chair for Computing Machines of the Technical College imeni Bauman in Moscow.
 - 22) I. A. Vul'fson reported on the development of automation of program setting abroad.
- This conference accepted a number of scientific organizational proposals.

- 1. Machine tools-USSR
- 2. Machine tools-Automation-USSR
- 3. Mathematical computers-Applications

Card 3/3

SOV-117-58-8-1/28

AUTHOR: Vladziyevskiy, A.P., Doctor of Technical Sciences, Professor

TITLE: Domestic Automatic Machinebuilding Lines and Their Efficiency
(Otechestvennyye avtomaticheskiye linii mashinostroyeniya i ikh effektivnost')

PERIODICAL: Mashinostroitel', 1958, Nr 8, pp 1-9 (USSR)

ABSTRACT: The use of hoppers between different machine tools and lathes is the simplest form of an automatic line. In the USSR two types of hoppers are employed: transit hoppers and storing hoppers (Figure 5). The transit hoppers operate continuously and feed the half-finished products at various places to other machines. The storing hoppers have only one feed opening and are especially useful in the case of a breakdown in the line. A combination of several machine tools is used in modern automatic lines. Among them is the automatic line ENIMS for the machining of cylinder blocks used in the Yaroslavskiy avtozavod (Yaroslavl' Motorcar Plant). The line consists of 351 spindles, and has an installed power of 112 kw. It replaces 95 workers (Figure 6). A more complex line has been designed by ENIMS and produced by the plant "Stankokonstruktsiya" for

Card 1/3

SOV-117-58-8-1/28

Domestic Automatic Machinebuilding Lines and Their Efficiency

the Minskiy traktorny zavod (Minsk Tractor Plant) (Figure 7). It is used for machining cylinder blocks. The line consists of 265 machine tools and has an installed power of 258 kw. It replaces 224 workers. The automatic line 1L46 designed by the special designing bureau SKB-1 and produced by the Stankozavod imeni Ordzhonikidze (Machine Tool Plant imeni Ordzhonikidze) is used for machining the two-cylinder block of the tractor VTZ. The line is 30 m long and 8.9 m broad. It occupies a space of 350 m². Its weight is 180 tons. Productivity is 30 blocks per hour. More complex lines are used for combined metallurgical, punching, thermal, mechanical, electrochemical, and packing work. One of them is the automatic line ENIMS for the machining of rollers and runners from the rough metal to the finished product (Figure 9). The productivity per shift is 343 rollers. The rollers have lengths from 275 - 400 mm. Another line is named "Automatic Piston Plant". It produces motorcar pistons from the raw aluminum to the finished product. Two of these lines have been produced by the plant "Stankokonstruktsiya" for the Ul'yanovskiy zavod malolitrzhnykh dvigateley (Ul'yanovsk Plant of Small Capacity

Card 2/3

SOV-117-58-8-1/28

Domestic Automatic Machinebuilding Lines and Their Efficiency

Motors). The production of the two lines is 2.4 million pistons per year. The installed power of the line is 853 kw; the space occupied 960 m². The production cycle is shown in Figure 11. The article is to be continued. There are 7 photos 9 diagrams, and 2 tables.

1. Machines - Manufacture - Efficiency
2. Industrial production - USSR

Card 3/3

SOV-117-58-9-1/22

AUTHOR: Vladziyevskiy, A.P., Doctor of Technical Sciences, Professor

TITLE: Soviet Automatic Lines in Machinebuilding Industry and Their Efficiency (Otechestvennyye avtomaticheskiye linii mashinostroyeniya i ikh effektivnost')

PERIODICAL: Mashinostroitel', 1958, Nr 9, pp 1-13 (USSR)

ABSTRACT: The article contains general information on the development of automatic lines in the Soviet Union with illustrated descriptions of the following automatic production lines: for ball and roller bearings at the "IGPZ Plant" (Fig. 12,13): for production of chisel-shaped ploughshares at the "Altay-sel'mash" Plant; for the working of one-rim gears for "LK62" lathes at the "Krasnyy Proletariy" Plant ; for watch-housing rings at the 2 Watchbuilding Plant; for the production of bolts and nuts (Fig. 15). The development of automatic lines for two-rim and bevel gear production is being planned. An immediate problem is the development of automatic lines for universal equipment, i.e. for antifriction bearings (Fig. 20) and for grinding bearing races (Fig. 21). Automatic lines for machining rope pulleys for road machines were developed

Card 1/2

SOV-117-56-9-1/22

Soviet Automatic Lines in Machinebuilding Industry and Their Efficiency

at the Chelyabinsk Plant imeni Volyushchenko (Fig. 22). Information includes a series of suggestions as to the organizational and technical measures to raise efficiency in this field.

There are 3 drawings, 4 tables, 5 flow charts and 3 photos.

1. Industrial plants--Automation 2. Machines--Production

Card 2/2

S/123/60/000/009/011/017
A004/A001

Translation from: Referativnyy zhurnal. Mashinostroyeniye, 1960, No. 9, p. 99,
43816

AUTHOR: Vladziyevskiy, A.P.

TITLE: The Principal Ways and Prospects of Automation⁴ in Mechanical
Engineering in the Period of 1959-1965

PERIODICAL: Vestn. tekhn. inform. Eksperim. n-i. in-t metallorezh. stankov,
1958, Nos. 11-12, pp. 1-32 ✓

TEXT: The author investigates problems of automation of single machine tools, the development of rapid-adjustment automatic lines and large-scale automation in large-series and mass production. The designs of semi-automatic machine tools should be revised with the aim to adapt them for automatic charging. In proportion to the propagation of flow methods of machining and the extension of the scope of automated technological operations, it will be possible to proceed from the automation of individual technological operations to the automation of the production flow as a whole. Automatic transfer lines have been developed, where not only the main technological operations are automated but

Card 1/2

S/123/60/000/009/011/017
A004/A001

The Principal Ways and Prospects of Automation in Mechanical Engineering in the Period of 1959-1965

also the transfer of the machined article between the machining sections, the re-setting and re-fastening, check of dimensions, chip removal etc. The main problem of comprehensive automation consists in ensuring within the shortest time possible the most widespread use of automatic processes and in achieving the greatest efficiency for the national economy. In this respect, the substantiated selection of automation items and the demands towards their design are of particular importance. The author investigates the degree of efficiency of comprehensive and experimental automatic lines and also of multi-purpose standard-unit machine tools.¹⁴ The most objective and complete indicator of technical and economic efficiency of the operation of automatic lines are production costs. There are 5 tables. ✓

P.Ye.A.

Translator's note: This is the full translation of the original Russian abstract.

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PHASE I BOOK EXPLOITATION

SOV/3703

Vladziyevakiy, Aleksandr Pavlovich, Doctor of Technical Sciences

Avtomatizatsiya tekhnologicheskikh protsessov v mashinostroyenii (Automation of Manufacturing Processes in the Machine-Building Industry) Moscow, 1958. 21 p. (Series: Peredovoy opyt proizvodstva. Ser. "Kompleksnaya avtomatizatsiya i mekhanizatsiya protsessov proizvodstva v mashinostroyenii," vyp. 2) 3,000 copies printed.

Sponsoring Agencies: Moscow. Dom nauchno-tekhnicheskoy propagandy im. F.E. Dzerzhinskogo, and Obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znaniy RSFSR.

Tech. Ed.: R. A. Sukhareva; Ed.: Ye. A. Pankina.

PURPOSE: This booklet is intended for the general reader.

COVERAGE: The author presents a survey of the progress made in the automation of machine tools, and the organization of semi-automatic and fully automatic production lines. No personalities are mentioned. There are no references.

Card 1/2

Automation of Manufacturing Process (Cont.)

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3. Building of Automated Lines	11
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[Hydraulic drives and hydraulic control of machine tools] Gidro-
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[Present status and trends of future development of technological processes in the manufacture of machinery and instruments] Sovremennoe sostoyanie i napravleniya razvitiya tekhnologii mashinostroeniya i priborostroeniya. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960. 563 p. (MIRA 13:7)

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